

**IN THE CLAIMS**

**Claims 1, 4-11, and 16-25** are currently pending.

**Claims 1-15** were originally presented.

**Claims 16-25** have been previously added.

**Claims 2, 3 and 12-15** have been previously canceled.

**Claims 4, 11, 16, and 18-25** are herein amended.

1. **(Previously Presented):** A method comprising:
  - reading at least a subset of audio content comprising an audio file from optical media removably integrated with an optical drive, wherein the reading comprises:
    - reading a sector of audio content, wherein the reading of the sector is based on amplitude information of the sector;
    - determining whether additional sector reads of the audio content are necessary, based on a particular read size of the optical drive; and
    - iteratively repeating the reading step using different sizes, if it is determined if the additional sector reads are necessary;
    - analyzing at least the read subset of audio content to quantify optical drive read accuracy of the audio content, comprising
    - comparing a first bundle of audio content from one sector of audio content to a second bundle of audio content from the one sector; and

measuring a difference in amplitude between the first bundle and the second bundle to quantify intra-sector misalignment; and  
generating one or more metrics of optical drive read accuracy based, at least in part, on the analysis of the read subset of audio content.

**2. (Canceled)**

**3. (Canceled)**

**4. (Currently Amended):** A method according to claim [[4]] 1, wherein analyzing the audio content further comprises:  
comparing a last bundle of audio content from one sector of audio content to a first bundle of audio content from a subsequent sector of audio content; and  
measuring an amplitude difference between the bundles to quantify inter-sector misalignment.

**5. (Original):** A method according to claim 4, wherein the subsequent bundle is immediately adjacent to the first bundle.

**6. (Original):** A method according to claim 4, further comprising:  
adjusting one or more operational settings associated with the optical drive based, at least in part, on the intra- and/or inter-sector misalignment.

7. **(Original):** A method according to claim 4, wherein analyzing the audio content further comprises:

comparing data associated with a left channel of a bundle with data associated with a right channel of the bundle; and

measuring an amplitude difference between the left channel and the right channel to quantify a channel offset.

8. **(Original):** A method according to claim 7, further comprising:  
adjusting one or more operational settings associated with the optical drive based, at least in part, on the intra-sector misalignment and/or the channel offset.

9. **(Previously Presented):** A method according to claim 1, wherein analyzing the audio content further comprises:

comparing a last bundle of audio content from one sector of audio content to a first bundle of audio content from a subsequent sector of audio content; and one or more of:

measuring an amplitude difference between the bundles to quantify inter-sector misalignment.

measuring an amplitude difference between data associated with a left channel of a bundle and data associated with a right channel of the bundle to quantify channel offset.

10. **(Previously Presented):** A method according to claim 1, wherein analyzing the audio content comprises:

comparing audio content within and between two adjacent sectors to quantify one or more of intra-sector misalignment, inter-sector misalignment and/or channel offset metrics.

11. **(Currently Amended):** A computer readable storage medium comprising of executable instructions, the executable instructions comprising:

reading at least a subset of audio content comprising an audio file from optical media removably integrated with an optical drive, wherein the reading comprises:

reading a sector of audio content;

determining whether additional sector reads of the audio content are necessary, based on a particular read size of the optical drive; and

determining whether additional sector reads are necessary; and

iteratively repeating the reading step using different sizes, if it is determined if the additional sector reads are necessary;

analyzing at least the read subset of audio content to quantify optical drive read accuracy of the audio content; and

generating one or more metrics of optical drive read accuracy based, at least in part, on the analysis of the read subset of audio content.

~~reading a sector of audio content, wherein the reading of the sector is based on amplitude information of the sector;~~  
~~determining whether additional sector reads of the audio content are necessary, based on a particular read size of the optical drive; and~~

Claims 12-15 (Canceled).

**16. (Currently Amended):** A method according to claim 1, wherein the reading of the sector based on amplitude information of the sector, is based on known a priori amplitude information.

**17. (Previously Presented):** A method according to claim 16, wherein the a priori amplitude information is compared to a theoretically correct amplitude.

**18. (Currently Amended):** The computer readable storage medium of claim 11, wherein analyzing the audio content comprises:  
comparing a first bundle of audio content from one sector of audio content to a second bundle of audio content from the one sector; and  
measuring a difference in amplitude between the first bundle and the second bundle to quantify intra-sector misalignment.

**19. (Currently Amended):** The computer readable storage medium

of claim 18, wherein analyzing the audio content further comprises:

comparing a last bundle of audio content from one sector of audio content to a first bundle of audio content from a subsequent sector of audio content; and  
measuring an amplitude difference between the bundles to quantify inter-sector misalignment.

**20. (Currently Amended):** The computer readable storage medium of claim 19, wherein the subsequent bundle is immediately adjacent to the first bundle.

**21. (Currently Amended):** The computer readable storage medium of claim 19, further comprising:

adjusting one or more operational settings associated with the optical drive based, at least in part, on the intra- and/or inter-sector misalignment.

**22. (Currently Amended):** The computer readable storage medium of claim 19, wherein analyzing the audio content further comprises:

comparing data associated with a left channel of a bundle with data associated with a right channel of the bundle; and  
measuring an amplitude difference between the left channel and the right channel to quantify a channel offset.

23. (Currently Amended): The computer readable storage medium of claim 22, further comprising:

adjusting one or more operational settings associated with the optical drive based, at least in part, on the intra-sector misalignment and/or the channel offset.

24. (Currently Amended): The computer readable storage medium of 11, wherein analyzing the audio content further comprises:

comparing a last bundle of audio content from one sector of audio content to a first bundle of audio content from a subsequent sector of audio content; and one or more of:

measuring an amplitude difference between the bundles to quantify inter-sector misalignment.

measuring an amplitude difference between data associated with a left channel of a bundle and data associated with a right channel of the bundle to quantify channel offset.

25. (Currently Amended): The computer readable storage medium of claim 11, wherein the reading of the sector is based on amplitude information of the sector.